CALFED POTENTIAL ACTION LIST				
	Fisheries	Habitat and	Water Supply	Water Quality
	and	Land Use/	Availability and	and
Categories and Actions	Diversions	Flood Protection	Beneficial Uses	Land Use
Restoration of Bay-Delta System Shallow Water (Tidal) Habitat				
-Convert existing leveed lands to tidal action				
-Protect existing shallow habitat from erosion				
-Restore tidal action to existing diked wetlands				
-Reconstruct levees to include shallow water habitat				
-Fill deep water to produce shallow habitat				
		ı		
Restoration of Bay-Delta System Riverine Habitat			!	:
-Reconstruct river banks and shallow areas				
-Restore and preserve channel islands	]			
-Restore natural channel configurations				
-Modify channel/levee construction practices to include riverine elements				
Restoration of Bay-Delta System Riparian Habitat				
-Improve and protect degraded riparian habitats				1
-Establish new areas of riparian habitat				
-Reestablish historic riparian areas				
-Modify levee maintenance practices				
-Protect existing riparian habitat				
Restoration of Bay-Delta System Wetland Habitat				
-Restore, enhance, and create wetlands				
-Expand wetland acquisition programs				
-Convert agricultural lands to wetlands				
-Protect existing wetland habitat				
Restoration of Bay-Delta System Terrestrial Habitat				
-Protect existing upland habitat				
-Establish upland habitat on levees				
-Establish upland habitat on fallowed croplands				
-Establish oak woodlands on suitable soils				
-Encourage wildlife-friendly agricultural practices				
-Preserve agricultural land uses providing habitat				
-Clean up sites contaminated with toxic substances				
to an autolian of Integrated Habitat Management Drograms				
Implementation of Integrated Habitat Management Programs				
-Establish regional ecosystem restoration guidelines				
-Implement integrated regional habitat management				
-Develop cooperative management agreements				
-Establish mitigation banking program		_1		L

` '	Fisheries and	Habitat and Land Use/	Water Supply Availability and	Water Quality and
Categories and Actions	Diversions	Flood Protection	Beneficial Uses	Land Use
Establishment of Floodways and Meander Belts -Relocate levees to widen floodways -Allow river channels to meander -Acquire Delta islands as overflow areas -Restore floodways as habitat corridors				
Control of Introduced Species  -Remove or reduce nuisance species in key habitats -Improve regulation of ballast-water releases -Improve border inspection practices -Inspect for invasions of nuisance species -Modify habitat to favor native species				
Delta Waterfowl Habitat Management -Manage agricultural crops for waterfowl forage production -Improve management of public waterfowl areas -Implement terrestrial predator control programs -Increase sources and availability of wildlife forage				
Restoration of Upstream Anadromous Fish Habitat -Manage flows and temperatures in upstream habitats -Restore and replenish spawning gravels -Restore channel configurations -Restore shoreline habitat conditions -Modify gravel mining practices -Improve floodway drainage to reduce fish stranding				
Improvements for Upstream Fish Passage -Modify passage at upstream dams and other barriers -Modify natural barriers to Improve passage				
Restoration of Upstream Riparian Habitat -Restrict livestock grazing in riparian corridors -Revegetate degraded riparian habitats -Protect riparian lands through purchase/easements -Restore flows to dewatered riparian habitats				

	Fisheries	Habitat and	Water Supply	Water Quality
	and	Land Use/	Availability and	and
Categories and Actions	Diversions	Flood Protection	Beneficial Uses	Land Use
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Restoration of Upstream Wetland Habitat		1		
-Modify floodways to support wetland habitats				
-Reuse agricultural drainage to create wetlands				
-Reuse urban wastewater effluent to create wetlands			1	
-Manage groundwater recharge for wetland habitat				
D. M. Juff and Outflow Propert Management				
Delta Inflow/Outflow/Export Management				
Actions regarding Delta Inflow				
-Modify upstream consumptive use		}		
-Modify upstream reservoir operations criteria				
-Modify Delta inflow timing pattern				
-Provide instream pulse flows for fish passage -Provide instream flows for fish attraction				
-Provide instream flows for fish attraction				
Actions regarding Delta Diversions and Outflows				
-Modify volumes and timing of exports				
-Modify in-Delta consumptive use				
-Modify central Delta channel operations				
-Modify export operations criteria				
-Establish a Delta watermaster to Manage flows				
-Use real-time monitoring and adaptive management				
-Ose real-time monitoring and adaptive menagement				
Modification of Diversion Timing Patterns				
-Modify diversion timing of in-Delta diversions				
-Modify diversion timing of export diversions				
-Coordinate SWP/CVP diversion timing				
-Modify diversion timing through Montezuma Salinity control Gate				
-Use real-time monitoring and adaptive management				
Increased Rates of Diversion Capacity				
-Obtain approvals for expanded export capacities				
-Enlarge export pumping capacities				
-Increase diversion capability at Red Bluff diversion Dam				
The American Company of the Land Mildlife				
Acquisition of Long-Term Water Supplies for Fish and Wildlife				
-Acquire water to augment instream flows				
-Obtain shifts in timing of instream flows				
-Obtain shifts in diversion timing patterns				
-Acquire water for refuge habitat use				
-Modify water law to Establish instream rights				December 4, 1995 Works

	Fisheries and	Habitat and Land Use/	Water Supply Availability and	Water Quality and
Categories and Actions	Diversions	Flood Protection	Beneficial Uses	Land Use
Installation and Improvement of Fish Screens -Improve screens at Delta export pumps -Improve other existing fish screen systems -Install screens on other in-Delta diversions -Install screens on upstream diversions -Consolidate and screen existing small diversions -Enforce screening requirements				
Improvement of Bay-Delta System Fish Migration -Install barriers to block fish movement into Old river -Install barriers to keep fish in Sacramento river -Install barriers to divert fish from Sacramento river to western distributaries -Operate fish barrier on San Joaquin river at Merced river confluence in fall -Provide instream pulse flows for fish passage -Provide instream flows for fish attraction				
Improvement of Fish Salvage Operations -Improve design of salvage facilities -Improve operation of salvage facilities -Improve fish hauling and release procedures				
Removal and Control of Aquatic Predators -Harvest predators at Delta export pumps -Harvest predators in upstream habitats				
Fish Hatchery Operations -Expand hatchery capacities -Construct new hatcheries on the San Joaquin river -Improve hatchery operations -Reduce hatchery effects on wild fish populations -Implement tagging of hatchery-bred fish -Establish new captive breeding programs				
Fish Harvest Management -Improve regulation of commercial take -Improve regulation of recreational take -Improve enforcement of Harvest regulations			<u>.</u>	

	Fisheries	Habitat and	Water Supply	Water Quality and
	and	Land Use/	Availability and	and Land Use
Categories and Actions	Diversions	Flood Protection	Beneficial Uses	Lanu USE
Desalination				
-Expand desalination of Southern California supplies				
-Expand desalination of San Joaquin Valley supplies				
-Improve desalination technologies and cost				
-Educate users about desalination feasibility				
Water Conservation				
-Increase use of district-wide conservation practices				
-Increase use of on-farm conservation practices	Ì			
-Increase use of municipal conservation practices				
-Increase use of industrial conservation practices				
-Implement financial incentive policies				
-Implement conservation-oriented rate structures			İ	
-Educate users about conservation technologies				
-Educate users about conscivation technologies				
Water Reclamation				
-Recharge groundwater with reclaimed water				
-Use reclaimed water for agricultural irrigation				
-Reclaim saline agricultural drainage water				
-Recycle and treat water for potable Reuse				
-Use reclaimed water for nonpotable urban uses				
-Use reclaimed water for landscape irrigation				
-Use reclaimed water for power plant cooling				
-Use reclaimed water for industrial processes				
-Use reclaimed water to repel salinity intrusion				
-Improve reclamation technologies and cost				
-Educate public about water reclamation				
Land Retirement and Fallowing				
-Encourage land fallowing during drought periods				
-Develop incentive programs for land retirement		1	:	: 
-Purchase lands or easements				  -
-Retire lands with drainage problems				
Water Pricing				
-Establish incentives for pricing to reduce demand				
-Educate users about pricing feasibility				
-Remove legal obstacles to pricing incentive programs	1			
- Tromoto logal obstacles to prize guitante			•	

Watershed Management -Manage vegetation cover to increase yield -Manage riparian zones to protect water quality -Manage land uses to reduce sedimentation -Modify weather to increase precipitation  New or Expanded On-stream Storage -Construct new storage facilities south (downstream) of the Delta -Enlarge existing on-stream storage reservoirs -Modify operations of existing on-stream reservoirs -Modify operations of existing on-stream reservoirs -Modify operations of existing on-stream storage reservoirs -Modify operations of existing on-stream reservoirs -Modify operations of existing on-stream of the Delta -Construct new storage facilities north (upstream) of the Delta -Construct new storage facilities north (upstream) of the Delta -Construct new storage facilities in Delta -Construct new storage facilities in Delta -Construct new storage facilities in Delta -Enlarge existing off-stream storage reservoirs -Modify operations of existing off-stream reservoirs  Groundwater Banking and Conjunctive Use -Establish incentives for conjunctive use -Establish incentives for conjunctive use -Establish conjunctive use programs -Store groundwater south (downstream) of the Delta -Interpolation of the Control of the Delta -Implement techniques to increase groundwater recharge  Improvement of Through-Delta Conveyance -Increase apacities of existing east-side channels -Increase lows from the Sacramento river to the central Delta -Modify Delta levees to increase flow cross sections -Construct pump/siphon systems between Delta channels -Expand existing intakes at the Delta export facilities -Expand existing intakes at the Delta export facilities		Fisheries	Habitat and	Water Supply	Water Quality
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-Store groundwater north (upstream) of the Delta -Implement techniques to increase groundwater recharge  Improvement of Through-Delta Conveyance -Increase capacities of existing east-side channels -Increase flows from the Sacramento river to the central Delta -Modify Delta levees to increase flow cross sections -Construct pump/siphon systems between Delta channels -Expand existing intakes at the Delta export facilities					
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-Modify Delta levees to increase flow cross sections -Construct pump/siphon systems between Delta channels -Expand existing intakes at the Delta export facilities	Increase flows from the Sacramento river to the central Delta				i
-Construct pump/siphon systems between Delta channels -Expand existing intakes at the Delta export facilities					
-Expand existing intakes at the Delta export facilities	-Construct nump/siphon systems between Delta channels				
Construct expanded export intake/forebay pumping system	Fynand existing intakes at the Delta export facilities				
	-Construct expanded export intake/forebay pumping system				

	Fisheries	Habitat and	Water Supply	Water Quality
	and	Land Use/	Availability and Beneficial Uses	and Land Use
Categories and Actions	Diversions	Flood Protection	Dellettual Uses	Land USE
Construction and Improvement of Conveyance Facilities				
-Construct east-side isolated transfer system				
-Construct west-side isolated transfer system				
-Construct small isolated transfer facility				
-Convert Delta islands to storage/conveyance system				
-Construct conveyance to off-stream storage				
-Construct conveyance to groundwater storage				
Changes in Locations of Diversions				
-Relocate Delta export pumps from key habitats				
-Relocate other in-Delta diversions for more reliable supplies				
-Consolidate in-Delta agricultural diversions				
-Relocate upstream diversions from key habitats				
-Improve diversion designs when relocating				
Water Transfers				
-Modify water Code to ease transfers				
-Improve procedures for transfer permitting				
-Coordinate diversion and conveyance of transfers				
Long-Term Planning for Drought Contingencies				
-Increase water storage capacities at user locations				
-Establish incentives for long-term planning				
-Conduct Integrated Resources Planning				
-Establish incentives for long-term conservation				
-Develop alternate supplies for drought situations				
Water Resources Data and Information Management				
-Establish a comprehensive water data system				
-Implement real-time data management system				
-Integrate data for adaptive management decisions				
-Establish accessible data management system				
Establishment of Institution for Integrated Long-Term Water Management				
-Establish long-term guarantees for management			1	
-Establish institution to implement guarantees			!	
-Coordinate multiagency roles in management				
-Coordinate groundwater and surface water management				
-Establish incentives for cooperation/coordination			1	
-Establish a public awareness and education program				

Categories and Actions	Fisheries and Diversions	Habitat and Land Use/ Flood Protection	Water Supply Availability and Beneficial Uses	Water Quality and Land Use
Establishment of Export Capacity Market -Establish procedures for allocation of export capacity -Establish institution to allocate export capacity -Coordinate water transfers and export capacity -Market export capacity for environmental benefits				
Integration of Land Use and Water Supply Planning -Coordinate land uses with water supplies -Encourage local determination of supplies available -Encourage local assessment of water supply reliability		·		
Installation and Operation of Flow Barriers -Install flow barriers to manage south Delta quality -Install weirs to control salinity intrusion				
Management of Agricultural Drainage  -Implement source control regulations for pollutants -Implement pollutant-load limits in San Joaquin river -Reduce or control volume of agricultural discharges -Modify cropping and irrigation practices -export agricultural drainage to other watersheds -Retire lands with drainage disposal problems -Improve pest-control practices -Avoid use of high-salinity irrigation water -Manage irrigation tailwater to reduce pesticides -Manage drainage timing to reduce instream impacts -Treat drainage to remove salt or other pollutants -Dilute pollutants in Delta inflows from SJR using stored water				
Management of Urban/Industrial Drainage and Wastewater Discharge -Retain and manage stormwater runoff -Implement urban awareness/education programs -Treat discharges to remove problem constituents -Construct wetlands to treat wastewater effluent -Increase key nutrient inputs to estuary -Enforce wastewater discharge requirements -Prevent toxic discharges from industrial plants		·		

	Fisheries and	Habitat and Land Use/	Water Supply Availability and Beneficial Uses	Water Quality and Land Use
Categories and Actions	Diversions	Flood Protection	Beneficial Oses	Lanu Ose
Dredged Material Management -Limit dredging to slack tides -Limit dredging to avoid fish migration periods -Use techniques to localize sediment movement -Dispose dredged materials at nonaquatic or other suitable sites -Remove contaminated sediments in critical habitat sites -Ensure material used for levee maintenance is noncontaminated				
Management of Abandoned-Mine Drainage -Manage discharges from abandoned mines -Remediate abandoned mining sites discharging pollutants				
Levee Maintenance and Stabilization  -Maintain and stabilize existing levees  -Modify agricultural practices to reduce subsidence  -Use infilling to correct past subsidence  -Implement uniform maintenance standards  -Provide funding for maintenance and stabilization				
Improvement of Flood Protection Levels and Seismic Stabilities -Reconstruct levees to higher design standards -Reconstruct levees to higher seismic standards -Relocate levees to more stable sites -Widen floodways to Increase flood conveyance -Establish and manage flood overflow areas				
Rerouting and Protection of Infrastructure from Flooding and Seismic Risl -Maintain/reconstruct levees around infrastructure -Reconstruct infrastructure to Increase reliability -Relocate/reroute infrastructure	KS			
Establishment of Long-Term Funding Mechanisms -Establish a disaster contingency funding program -Establish a Bay-Delta financing authority -Provide low-cost debt financing for local agencies -Establish a bond financing mechanism -Establish a statewide water utility surcharge				